

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 20020114940 A1

L1: Entry 1 of 9

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020114940
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020114940 A1

TITLE: Engineered composite system, system component compositions, and methods of use

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Clemens, Paul L.	Brush Prairie	WA	US	
Clemens, Leslie G.	Brush Prairie	WA	US	

US-CL-CURRENT: 428/318.4; 427/282, 427/407.1, 428/413

ABSTRACT:

A coating system comprises a basecoat of an thermosetting asphalt extended, chemically cross linked--urethane/epoxy hybrid basecoat resting on a substrate, preferably a porous substrate such as concrete or wood that off-gas when coated with a thermoplastic material; and a thermoplastic powder coating topcoat overlying at least the base coat. The thermosetting basecoat composition consisting essentially of, in weight percent based on final formulation, and between 10 and 90% of a petroleum asphalt; between 10 and 90%, of a hydroxy-terminated homopolymer; and between 0.1 and 30% of a functional epoxy reactive diluent for reducing the viscosity of the composition; and further up to 5% of a surfactant for improving surface imperfections, up to 5% of an anti-oxidant; and up to 25% of a thickening agent.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMNC	Draw Desc	Image
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☐ 2. Document ID: US 20020078977 A1

L1: Entry 2 of 9

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020078977
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020078977 A1

TITLE: Steam cleaning in a dishwasher

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manne, Joseph	New York	NY	US	

US-CL-CURRENT: 134/25.2; 134/29, 134/30

ABSTRACT:

A preliminary steaming step is employed before a conventional dishwashing operation. The preliminary steaming step is conducted for 15-20 minutes, at a temperature of 100-150.degree. C. and a pressure of 15 psi.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 3. Document ID: US 6566319 B1

L1: Entry 3 of 9

File: USPT

May 20, 2003

US-PAT-NO: 6566319

DOCUMENT-IDENTIFIER: US 6566319 B1

TITLE: Cleaning products comprising improved alkylarylsulfonate surfactants prepared via vinylidene olefins and processes for preparation thereof

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Scheibel; Jeffrey John	Loveland	OH			
Kott; Kevin Lee	Loveland	OH			
Cripe; Thomas Anthony	Loveland	OH			
Connor; Daniel Stedman	Cincinnati	OH			
Burckett-St. Laurent; James Charles Theophile Roger	Cincinnati	OH			

US-CL-CURRENT: 510/357; 510/424, 510/426, 510/428

ABSTRACT:

Cleaning compositions, especially laundry detergents and the like, comprising (i) modified alkylarylsulfonate surfactants, e.g., modified alkylbenzenesulfonates, which are the product of particular processes and (ii) cleaning adjuncts such as enzymes and bleaches. Processes for making the cleaning products, including processes comprising vinylidene olefin production, alkylation of arenes, sulfonation and domestic cleaning product formulation. VO production is used to introduce particular limited branching into an alpha-olefinic feedstock which, converted to dimer form, has from about 10 to about 16, preferably from about 12 to about 14 carbon atoms. Preferred processes maximize the amount of vinylidene olefin useful for detergent manufacture, and minimize deep internal olefin production. Further, an alkylation step, preferably having an internal isomer selectivity of from 0 to no more than about 40 is used, in which the VO monoalkylates arenes such as benzene, in presence of an alkylation catalyst preferably comprising an at least partially crystalline, porous zeolite-containing solid, the zeolite being at least partially acidic and having intermediate pore size. Preferred alkylation catalysts include at least partially dealuminized acidic mordenites.

44 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 4. Document ID: US 6544596 B2

L1: Entry 4 of 9

File: USPT

Apr 8, 2003

US-PAT-NO: 6544596
DOCUMENT-IDENTIFIER: US 6544596 B2

TITLE: Method of coating a substrate using a thermosetting basecoat composition and a thermoplastic top coat composition

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clemens; Paul L.	Brush Prairie	WA		
Clemens; Leslie G.	Brush Prairie	WA		

US-CL-CURRENT: 427/407.1; 427/258, 427/272, 427/282

ABSTRACT:

A coating system comprises a basecoat of an thermosetting asphalt extended, chemically cross linked--urethane/epoxy hybrid basecoat resting on a substrate, preferably a porous substrate such as concrete or wood that off-gas when coated with a thermoplastic material; and a thermoplastic powder coating topcoat overlying at least the base coat. The thermosetting basecoat composition consisting essentially of, in weight percent based on final formulation, and between 10 and 90% of a petroleum asphalt; between 10 and 90%, of a hydroxy-terminated homopolymer; and between 0.1 and 30% of a functional epoxy reactive diluent for reducing the viscosity of the composition; and further up to 5% of a surfactant for improving surface imperfections, up to 5% of an anti-oxidant; and up to 25% of a thickening agent.

21 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw	Desc	Image
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☐ 5. Document ID: US 6076538 A

L1: Entry 5 of 9

File: USPT

Jun 20, 2000

US-PAT-NO: 6076538
DOCUMENT-IDENTIFIER: US 6076538 A

TITLE: Kit for cleaning jewelry and other small parts

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frankson; Jon	McComb	MS	39648	

US-CL-CURRENT: 134/117; 134/201

ABSTRACT:

A method and kit for cleaning jewelry and small parts to 95% and greater clean. A holding basket has a plurality of apertures formed therein, and is adapted to securely retain jewelry and small parts therein. Jewelry is placed in the holding basket and dunked into a container filled with cleaning solution to coat the jewelry with cleaning solution. The holding basket is removed from the container of cleaning solution, and is placed in an automatic dishwasher and run through a wash cycle and dry cycle, thereby exposing the jewelry to impinging water and the action of steam to remove the cleaning solution and grime from the jewelry and small parts. The steam helps prevents formation

of water spots. The kit includes a hinged jewelry holding basket with handles and a container filled with cleaning solution. The hinged jewelry holding basket is sized to be dunked into the cleaning solution.

9 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWMC	Draw Desc	Image
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☐ 6. Document ID: US 5876513 A

L1: Entry 6 of 9

File: USPT

Mar 2, 1999

US-PAT-NO: 5876513
DOCUMENT-IDENTIFIER: US 5876513 A

TITLE: Method and kit for cleaning jewelry and other small parts

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frankson; Jon	McComb	MS	39648	

US-CL-CURRENT: 134/25.1; 134/134, 134/25.4, 134/29, 134/30, 134/34, 134/42

ABSTRACT:

A method and kit for cleaning jewelry and small parts to 95% and greater clean. A holding basket has a plurality of apertures formed therein, and is adapted to securely retain jewelry and small parts therein. Jewelry is placed in the holding basket and dunked into a container filled with cleaning solution to coat the jewelry with cleaning solution. The holding basket is removed from the container of cleaning solution, and is placed in an automatic dishwasher and run through a wash cycle and dry cycle, thereby exposing the jewelry to impinging water and the action of steam to remove the cleaning solution and grime from the jewelry and small parts. The steam helps prevents formation of water spots. The kit includes a hinged jewelry holding basket with handles and a container filled with cleaning solution. The hinged jewelry holding basket is sized to be dunked into the cleaning solution.

8 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWMC	Draw Desc	Image
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☐ 7. Document ID: US 5001977 A

L1: Entry 7 of 9

File: USPT

Mar 26, 1991

US-PAT-NO: 5001977
DOCUMENT-IDENTIFIER: US 5001977 A
** See image for Certificate of Correction **

TITLE: Trash compactor adapted to be slidably positioned in a container

DATE-ISSUED: March 26, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tracy; Thomas R.	Boise	ID	83704	

US-CL-CURRENT: 100/102; 100/214, 100/229A, 100/287, 100/294

ABSTRACT:

A removable, self-powered trash compactor particularly suited for aircraft tray carts. The compactor includes a rechargeable battery to power a motor that drives a screw drive connected with a scissor type extension linkage attached to a platen designed to permit the passage of liquids around said platen to minimize pressure exerted on walls and floor of container, carts and carriers. The food service tray guides support a plastic or fiberboard sheet to restrain resilient waste matter from returning to its original shape and permitting a disposable flexible liner to interfold underneath the compactor and surround the compactor until the first cycle wherein the liner unfolds and encompasses the cart, carrier or container space, thereby obtaining the compactor to support the disposable liner and permitting the fitting of an interfolded cover over the entire compactor inside the liner to permit the compactor to compress waste and keep waste matter from contact with the compactor mechanisms.

3 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FIG	Draw Desc	Image
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☐ 8. Document ID: JP 08024196 A

L1: Entry 8 of 9

File: DWPI

Jan 30, 1996

DERWENT-ACC-NO: 1996-133625

DERWENT-WEEK: 199614

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TITLE: Dishwasher - has controller which directs cleaning tank ventilation through fan after stopping positive temp. coefft. heater operation if prevailing tank temp. exceeds preset value

PRIORITY-DATA: 1994JP-0161223 (July 13, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08024196 A	January 30, 1996		013	A47L015/42

INT-CL (IPC): A47 L 15/42; A47 L 15/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FIG	Draw Desc	Clip Img	Image
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☐ 9. Document ID: DE 2900954 A DE 2900954 C US 4366005 A

L1: Entry 9 of 9

File: DWPI

Jul 12, 1979

DERWENT-ACC-NO: 1979-G1972B

DERWENT-WEEK: 197929

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TITLE: Dishwasher with rapid removal of strongly adhering deposits - has steam-cleaning cycle between preliminary and main wash stages

INVENTOR: KOYAMA, Y; OGURI, I

PRIORITY-DATA: 1978JP-0002087 (January 11, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2900954 A	July 12, 1979		000	
DE 2900954 C	July 28, 1983		000	
US 4366005 A	December 28, 1982		000	

INT-CL (IPC): A47L 15/00; B08B 3/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
DISHWASHER	12062
DISHWASHERS	4148
STEAM	308930
STEAMS	2188
CLEANING	544120
CLEANINGS	2094
(DISHWASHER AND (STEAM ADJ CLEANING)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9
(DISHWASHER AND (STEAM CLEANING)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9

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L1: Entry 8 of 9

File: DWPI

Jan 30, 1996

DERWENT-ACC-NO: 1996-133625

DERWENT-WEEK: 199614

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Dishwasher - has controller which directs cleaning tank ventilation through fan after stopping positive temp. coefft. heater operation if prevailing tank temp. exceeds preset value

Basic Abstract Text (1):

The washer consists of a cleaning tank (1) that stores the tableware (2) and a heater (14) with positive temp. coefft. resistor which forms hot air to dry the tableware. A fan (9) exhausts the steam in the cleaning tank. A temp. detector (8) determines the temp. in the cleaning tank.

Standard Title Terms (1):

DISHWASHER CONTROL DIRECT CLEAN TANK VENTILATION THROUGH FAN AFTER STOP POSITIVE TEMPERATURE COEFFICIENT HEATER OPERATE PREVAILING TANK TEMPERATURE PRESET VALUE

WEST**End of Result Set**

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L1: Entry 9 of 9

File: DWPI

Jul 12, 1979

DERWENT-ACC-NO: 1979-G1972B

DERWENT-WEEK: 197929

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Dishwasher with rapid removal of strongly adhering deposits - has steam-cleaning cycle between preliminary and main wash stages

Basic Abstract Text (1):

The dishwasher has a steam cleaning cycle where in steam is produced and supplied by suitable devices (16, 18) into the wash trough (2e for a more effective removal of stubborn deposits. The steam generator is activated after the pre-wash stage and before the main wash stage by means of a control circuit (20, 21e.

Equivalent Abstract Text (1):

The dishwasher has a steam cleaning cycle where in steam is produced and supplied by suitable devices (16, 18) into the wash trough (2e for a more effective removal of stubborn deposits. The steam generator is activated after the pre-wash stage and before the main wash stage by means of a control circuit (20, 21e.

Standard Title Terms (1):

DISHWASHER RAPID REMOVE STRONG ADHERE DEPOSIT STEAM CLEAN CYCLE PRELIMINARY MAIN WASHING STAGE

WEST**End of Result Set**

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L1: Entry 9 of 9

File: DWPI

Jul 12, 1979

DERWENT-ACC-NO: 1979-G1972B
DERWENT-WEEK: 197929
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TITLE: Dishwasher with rapid removal of strongly adhering deposits - has steam-cleaning cycle between preliminary and main wash stages

INVENTOR: KOYAMA, Y; OGURI, I

PRIORITY-DATA: 1978JP-0002087 (January 11, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2900954 A	July 12, 1979		000	
DE 2900954 C	July 28, 1983		000	
US 4366005 A	December 28, 1982		000	

INT-CL (IPC): A47L 15/00; B08B 3/00

ABSTRACTED-PUB-NO: DE 2900954A
BASIC-ABSTRACT:

The dishwasher has a steam cleaning cycle where in steam is produced and supplied by suitable devices (16, 18) into the wash trough (2e for a more effective removal of stubborn deposits. The steam generator is activated after the pre-wash stage and before the main wash stage by means of a control circuit (20, 21e.

A circulating mechanism (6, 9, 10) which is activated by the control circuit during the pre- and main wash stages can be used to circulate the water in teh trough (2) so as to throw the water against the crockery.

ABSTRACTED-PUB-NO:

DE 2900954C
EQUIVALENT-ABSTRACTS:

The dishwasher has a steam cleaning cycle where in steam is produced and supplied by suitable devices (16, 18) into the wash trough (2e for a more effective removal of stubborn deposits. The steam generator is activated after the pre-wash stage and before the main wash stage by means of a control circuit (20, 21e.

A circulating mechanism (6, 9, 10) which is activated by the control circuit during the pre- and main wash stages can be used to circulate the water in teh trough (2) so as to throw the water against the crockery.

ABSTRACTED-PUB-NO: DE 2900954A

EQUIVALENT-ABSTRACTS: DE 2900954C The dishwasher has a steam cleaning cycle where in steam is produced and supplied by suitable devices (16, 18) into the wash trough (2e for a more effective removal of stubborn deposits. The steam generator is activated after the pre-wash stage and before the main wash stage by means of a control circuit (20, 21e. A circulating mechanism (6, 9, 10) which is activated by the control circuit

during the pre- and main wash stages can be used to circulate the water in teh trough
(2) so as to throw the water against the crockery.

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L2: Entry 1 of 2

File: USPT

Dec 28, 1982

US-PAT-NO: 4366005

DOCUMENT-IDENTIFIER: US 4366005 A

TITLE: Steam washing in a dishwasher

DATE-ISSUED: December 28, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oguri; Ichiro	Yao			JP
Koyama; Yoshihiro	Izumi			JP

US-CL-CURRENT: 134/25.2; 134/30

ABSTRACT:

Soil, including starch deposits, are removed from tableware in a dishwasher by a preliminary wash with cool water at approximately 20.degree. C., followed by a steaming operation and then a washing operation with water containing a cleaning agent. A portion of the water to be used in the washing operation is preheated during the steaming operation.

11 Claims, 5 Drawing figures

Exemplary Claim Number: 2

Number of Drawing Sheets: 4

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KVMC](#) [Draw Desc](#) [Image](#)☐ 2. Document ID: DE 2900954 A DE 2900954 C US 4366005 A

L2: Entry 2 of 2

File: DWPI

Jul 12, 1979

DERWENT-ACC-NO: 1979-G1972B

DERWENT-WEEK: 197929

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TITLE: Dishwasher with rapid removal of strongly adhering deposits - has steam-cleaning cycle between preliminary and main wash stages

INVENTOR: KOYAMA, Y; OGURI, I

PRIORITY-DATA: 1978JP-0002087 (January 11, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2900954 A	July 12, 1979		000	
DE 2900954 C	July 28, 1983		000	
US 4366005 A	December 28, 1982		000	

INT-CL (IPC): A47L 15/00; B08B 3/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
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(4366005.PN.).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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L5: Entry 1 of 2

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020078977
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020078977 A1

TITLE: Steam cleaning in a dishwasher

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manne, Joseph	New York	NY	US	

US-CL-CURRENT: 134/25.2; 134/29, 134/30

ABSTRACT:

A preliminary steaming step is employed before a conventional dishwashing operation. The preliminary steaming step is conducted for 15-20 minutes, at a temperature of 100-150.degree. C. and a pressure of 15 psi.

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[FPMC](#) [Draw Desc](#) [Image](#)☐ 2. Document ID: US 4457323 A

L5: Entry 2 of 2

File: USPT

Jul 3, 1984

US-PAT-NO: 4457323
DOCUMENT-IDENTIFIER: US 4457323 A
** See image for Certificate of Correction **

TITLE: Dishwasher with steam generating heater and cold water input

DATE-ISSUED: July 3, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fay; John A.	Los Angeles County	CA		
Walsh; Cyral M.	Los Angeles County	CA		
Ko; Venancio	Los Angeles County	CA		

US-CL-CURRENT: 134/18; 134/25.2, 134/30, 422/105, 422/26

ABSTRACT:

A dishwasher and dishwashing method which generate steam from the surface of a body of water in the dishwasher tub, without substantial heating of the entire body of water, during at least parts of the washing and rinsing operations performed on dishes within

the tub. Heating only a surface layer of the body of water to generate steam results in substantial energy savings, particularly when the dishwasher is supplied with cold water, instead of preheated water. Efficient steam generation, and heating limited to the surface layer of the body of water, are achieved by utilizing a large-area partially-submerged electric heater, comprising an electrical resistance heating element carrying a heat conductive, metallic jacket of enlarged cross section. The jacket is provided with a depending peripheral skirt for trapping air and/or steam beneath the jacket so as to minimize downward heat transfer from the jacket to the water below the surface layer.

2 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FWMC	Draw Desc	Image
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Term	Documents
"134/25.2"	323
134/25.2S	0
134/29	686
134/29S	0
134/30	971
134/30S	0
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Term	Documents
"134/25.2"	323
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134/29	686
134/29S	0
134/30	971
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134/32	592
134/32S	0
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Database:

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- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

L5

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**DATE: Monday, June 09, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

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END OF SEARCH HISTORY

WEST Search History

DATE: Monday, June 09, 2003

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L5 (134/25.2 OR 134/29 OR 134/30 OR 134/32).CCLS. and L4

2 L5

L4 L3 and ((steaming) or (steam cleaning))

53 L4

L3 dishwasher and operating

1999 L3

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L2 4366005.pn.

2 L2

L1 dishwasher and (steam cleaning)

9 L1

END OF SEARCH HISTORY